

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	45	(antiferromagnetic or AFM) same (heat\$3 same cool\$3 same (block\$3 adj temperature))	USPAT; JPO; DERWENT	OR	ON	2005/03/18 10:28
L2	31	(antiferromagnetic or AFM) with (heat\$3 same cool\$3 same (block\$3 adj temperature))	USPAT; JPO; DERWENT	OR	ON	2005/03/18 10:28
L3	0	2 and snecor	USPAT; JPO; DERWENT	OR	ON	2005/03/18 10:21
L4	27	2 and sensor	USPAT; JPO; DERWENT	OR	ON	2005/03/18 10:21
L5	6	2 and (GMR adj sensor)	USPAT; JPO; DERWENT	OR	ON	2005/03/18 10:21
L6	3	5 and @ad<"20010314"	USPAT; JPO; DERWENT	OR	ON	2005/03/18 10:29
L7	2	("5650887").PN.	USPAT; USOCR; JPO; DERWENT	OR	OFF	2005/03/18 10:24
L8	1	1 and 7	USPAT; JPO; DERWENT	OR	ON	2005/03/18 10:24
L9	199	(first same second) adj (antiferromagnetic or AFM)	USPAT; JPO; DERWENT	OR	ON	2005/03/18 11:21
L10	1	((first same second) adj (antiferromagnetic or AFM)) with (heat\$3 same cool\$3 same (block\$3 adj temperature))	USPAT; JPO; DERWENT	OR	ON	2005/03/18 10:29
L11	8	1 and 9	USPAT; JPO; DERWENT	OR	ON	2005/03/18 10:29
L12	4	11 and @ad<"20010314"	USPAT; JPO; DERWENT	OR	ON	2005/03/18 11:21
L13	12	(US-5465185-\$ or US-5561368-\$ or US-5772794-\$ or US-5974657-\$ or US-6123780-\$ or US-6266218-\$ or US-6322640-\$ or US-6515838-\$ or US-6661623-\$ or US-6381105-\$ or US-6175475-\$).did. or (JP-56142409-\$).did.	USPAT; JPO	OR	ON	2005/03/18 10:37
L14	1	2 and 13	USPAT; JPO; DERWENT	OR	ON	2005/03/18 10:37

L15	3	9 and 13	USPAT; JPO; DERWENT	OR	ON	2005/03/18 10:38
L16	1	12 and width	USPAT; JPO; DERWENT	OR	ON	2005/03/18 11:20
L17	8	((first same second) adj (antiferromagnetic or AFM)) same width same (free adj layer)	USPAT; JPO; DERWENT	OR	ON	2005/03/18 11:21
L18	2	17 and @ad<"20010314"	USPAT; JPO; DERWENT	OR	ON	2005/03/18 11:21
S1	687	29/603.07-603.09,603.11,603.13, 603.14.ccls.	USPAT; JPO; DERWENT	OR	ON	2005/03/16 10:11
S2	723	360/324.1,324.11,324.12,324.2. ccls.	USPAT; JPO; DERWENT	OR	ON	2005/03/16 10:11
S3	9164	427/127-131.ccls.	USPAT; JPO; DERWENT	OR	ON	2005/03/16 10:12
S4	96	(free adj layer) with (bias\$3 adj (tab\$1 or layer)) with ((magnetic adj field) or magnetiz\$5)	USPAT; JPO; DERWENT	OR	ON	2005/03/16 10:34
S5	8	S1 and S4	USPAT; JPO; DERWENT	OR	ON	2005/03/16 10:17
S6	5	S5 and @ad<"20010314"	USPAT; JPO; DERWENT	OR	ON	2005/03/18 10:21
S7	6	("5764056" "5772794" "5843589" "5867351" "6105237" "6123780").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/03/16 10:24
S8	3	("5214840" "5465185" "5772794").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/03/16 10:27
S9	141	("5465185").URPN.	USPAT	OR	ON	2005/03/16 10:28
S10	11	S4 and S9	USPAT	OR	ON	2005/03/16 10:28
S11	8	S10 and @ad<"20010314"	USPAT; JPO; DERWENT	OR	ON	2005/03/16 10:34
S12	48	S2 and S4	USPAT; JPO; DERWENT	OR	ON	2005/03/16 10:30
S13	67	(bias\$3 adj (tab\$1 or layer)) with perpendicular with (magnetic adj field)	USPAT; JPO; DERWENT	OR	ON	2005/03/16 10:34

S14	5	S12 and S13	USPAT; JPO; DERWENT	OR	ON	2005/03/16 10:34
S15	1	S14 and @ad<"20010314"	USPAT; JPO; DERWENT	OR	ON	2005/03/16 10:36
S16	8	("20020006021" "5465185" "5508867" "5705973" "5828529" "5892641" "5974657" "6351355").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/03/16 10:35
S17	1	S13 and S16	US-PGPUB; USPAT; USOCR	OR	ON	2005/03/16 10:35
S18	7	S4 and S13	US-PGPUB; USPAT; USOCR	OR	ON	2005/03/16 10:36
S19	3	S18 and @ad<"20010314"	USPAT; JPO; DERWENT	OR	ON	2005/03/16 10:36
S20	57	magnetiz\$5 with (ferromagnetic) with bias\$3 with perpendicular with (magnetic adj field)	USPAT; JPO; DERWENT	OR	ON	2005/03/16 10:42
S21	10	S20 and (heat\$3 same cool\$3)	USPAT; JPO; DERWENT	OR	ON	2005/03/16 10:41
S22	4	S20 and (heat\$3 same cool\$3 same (block\$3 adj temperature))	USPAT; JPO; DERWENT	OR	ON	2005/03/18 10:20
S23	4	magnetiz\$5 with (ferromagnetic) with bias\$3 with perpendicular with (magnetic adj field)	JPO	OR	ON	2005/03/16 10:44
S24	0	S3 and S4	JPO	OR	ON	2005/03/16 10:44
S25	0	S3 and S20	JPO	OR	ON	2005/03/16 10:44
S26	5	beach-robert-s.in.	JPO	OR	ON	2005/03/16 10:45
S27	5	beach-robert.in.	JPO	OR	ON	2005/03/16 10:45
S28	10	(US-6322640-\$ or US-6123780-\$ or US-5772794-\$ or US-5974657-\$ or US-5465185-\$ or US-6266218-\$ or US-6515838-\$ or US-5561368-\$ or US-6661623-\$).did. or (JP-56142409-\$).did.	USPAT; JPO	OR	ON	2005/03/16 10:46
S29	3	S20 and S28	USPAT; JPO; DERWENT	OR	ON	2005/03/16 10:46
S30	3	S13 and S28	USPAT; JPO; DERWENT	OR	ON	2005/03/16 10:48

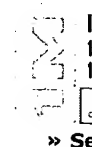
S31	2	("6721146").PN.	USPAT; USOCR; JPO; DERWENT	OR	OFF	2005/03/16 10:48
S32	20	("4663685" "5461527" "5465185" "5492720" "5583725" "5701223" "5739987" "5742459" "5768067" "5910344" "5949623" "5959810" "5974657" "5995338" "6038107" "6040961" "6129957" "6462919" "6469878" "6473279").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/03/16 10:48
S33	1	S20 and S32	US-PGPUB; USPAT; USOCR	OR	ON	2005/03/16 10:49

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(gmr sensor) <and> (magnetic field)

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Magnetics, IEEE Transactions on , Volume: 36 , Issue: 5 , Sept 2000

Pages:2773 - 2778

[\[Abstract\]](#)[\[PDF Full-Text \(128 KB\)\]](#)

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3 Degradation of spin valve heads under accelerated stress condition:*I-Fei Tsu; Burg, G.A.; Wood, W.P.;*

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4 Giant magnetoresistance-based eddy-current sensor*Dogaru, T.; Smith, S.T.;*

Magnetics, IEEE Transactions on , Volume: 37 , Issue: 5 , Sept. 2001

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5 Magnetic changes in GMR heads caused by electrostatic discharge

Wallash, A.; Kim, Y.K.;

Magnetics, IEEE Transactions on , Volume: 34 , Issue: 4 , July 1998

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6 Geometry effects on low frequency noise in giant magnetoresistance (GMR) sensors

Nor, A.F.M.; Hill, E.W.; Parker, M.R.;

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